XP3241

Smart Switch

The **XP-3241 SMART Switch** is a high performance switch; it provides users with common and simple setting functions rather than the sophisticated SNMP management function on both 24 10/100Mbps Ethernet ports and optional Gigabit fiber or copper modules. It is very suitable for small or medium size companies to build up a simple network economically. An RS-232 serial port, connected with a PC, provides an easy way, through terminal mode, for installation and initial set-up.

Non-blocking and maximum wire speed performances are designed on all switched ports. It supports Auto-Negotiation on every switched 24 10/100M RJ-45 ports and on all Gigabit copper ports. Auto-MDIX functions are additionally supported in order to greatly reduce the matching effort between straight and cross-over cable issues with all RJ-45 ports including Giga RJ-45 ports.

Uniquely the **XP-3241** not only supports port-based VLAN but also supports 802.1Q tag-based VLAN, and its 7 trunk groups of up to 4 member ports provide link aggregation and load balance function and specially with fair-over function on trunk ports. Totally front access design and fully LED status display ease installation, inspection and maintenance efforts at rackmount environments, moreover, extra LED display reflects the fan status to further secure user's investment before over-heat issue happened owing to the malfunction of fan.

Further, variety module can support users with different environments and applications, it supports not only 100M modules but also Gigabit modules, such as, 100M SC port, 1000BASE-SX, 1000Base-LX or 1000BASE-T; allowing users to increase their network response time at gigabit speeds and with great flexibility.

FEATURES

- Non-blocking, full-line speed, store-and-forward
- Auto-Negotiation and Auto-MDIX on all 10/100/1000M copper ports
- 24 10/100 RJ-45 ports, and 1 optional Gigabit module : copper or fiber module
- 3M byte packet buffer and 1M byte control buffer
- Up to 14K MAC entries and 4K VLAN entries
- Support flow control for both half- or full-duplex operation
- Support Head-of-Line blocking prevention
- Support broadcast storm filtering
- Support port-based VLAN and 802.1Q tag- VLAN
- Support Port-Trunking with flexible load distribution control and fail-over functions
- Provide 7 trunk groups of up to 4 member ports within 26 ports
- LED display for each port status: link, activity and speed
- Uniquely LED display for fan status: normal or fail

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SPECIFICATIONS

Standards compliance
IEEE 802.3 10BaseT Ethernet
IEEE 802.3u 100BaseTX Fast Ethernet
IEEE 802.3z 1000BaseSX Gigabit Ethernet
IEEE 802.3x flow control
IEEE 802.1Q VLAN
IEEE 802.1v port-based VLAN

Interfaces
24 100BaseTX RJ-45 STP ethernet ports (switched ports)
1 SMII/GMII interface for optional Gigabit module and 100M module
1 RS232 connector

Buffer Memory: 1M byte for control, 3M byte for packet buffers
14/10/8/6K 64-bit, programmable size for MAC entries
4/2K 128-bit, programmable size for VLAN entries

Packet Forwarding and Filtering Rates:
1000BaseTX:1488100 packets per second per port
100BaseTX:148810 packets per second per port
10BaseT:14880 packets per second per port

Environment
Operation temperature: 5 to 45 centigrade
Operating humidity: 10%-90%, non-condensing
Storage temperature: -20 to 70 centigrade

LED Panel Display
1 power LED: Green (normal),
1 self-diagnostic LED: Blinking during power-on-diagnostics
Port LEDs: 1~ 24 ports, left corner of each RJ-45 port, Green (Link ok), Blinking (Activity)
Speed LEDs: 1 ~ 24 ports, right corner of each RJ-45 port, Green (100M), Vanish (10M)
FAN LED: FAN1 Red (left side fan fail),
Gigaport module LEDs: Orange(10M Link ok), Green (100M link ok),
both Orange & Green (1000M link ok), Blinking (Activity)

Power
Input: 100-240VAC, 50/60Hz,
Consumption: 35 Watts max.

Dimensions
440mm (W) X 184mm (D) X 44mm (H)

Weight :
2.3 kg

Electromagnetic Emissions
FCC Part 15 Class A
CE mark, Class A

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